# U. S. DEPARTMENT OF COMMERCE LUTHER H. HODGES, Secretary WEATHER BUREAU ROBERT M. WHITE, Chief

# STORM DATA

SEPTEMBER 1964
Volume 6 No. 9



ASHEVILLE: 1964

	1	ų.	Ξ		NO.		ESTIM				1	1.1	E			OF		ATEDT	
		OC.	РАТН	ATH.	PER	SONS	DAM	AGE	CHARACTER		1	8	PATH	ATH (	PER	SONS	DAA	AGE	CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
ALABAMA	1		None	repor	ted					IOWA (Cont'd.)	١_						_	_	
ALASKA			None	repor	ed					Northwest and North Central	l	Early p.m.		ahaa i	011		5	5	Heavy rain
ARIZONA	·									Iowa	f10	oding.	Litt1	e wind	and	114			. Small stream age. Rock
North Tucson	6	mid-day			0	3	4	C	Thunderstorm, hail and flash floods	Merril1	7	and RR. 5:00 p	2	250			5	4	Tornado
	MS 8	nea out r	OBGS.	pvertur	ped f	Larre	rs. 11	booted	Side, Tucson, some low-lying trus damage.			rch.	-		010	JCK 8			m, steeple off
Southeast and south- central parts	. 9- 10	. 5046	4. mi	111	0	0	4	C	Thunderstorms	2S Remsen	Mos	5:30 p ed eastw		200 amagir	g 9	far	5 istea	4 s.	Tornado
central parts	Hea	vy local :	ains,	scatte	red 1	ight	hail,	washe	d out roads,	W of LeMars	Two	6:00 p funnels	alof	t.					Funnel
Central portions	13-	oded low-	lynng i	nomes.	Loca	cro	polama 5	ge. 4	Thunderstorms,	Ryan	20	4:00 p		200			4		Lightning
oursest por brons	15	33							wind, hail	6SE Shenandoah	22 Two	Į		300 rted.	Mos	ed I	5 E.	4	Tornado
	hie	vy local : hways dam	ged.	Some c	otton	loss	. Sev	1	inor injuries.	Fairfield	Tre	5:10 p es and 1	ines	down.	Son	e f	5 loodi	g.	Windstorm
Near Meteor Crater	15	12:50 pm			0	0	0		Tornado atrol. Funnel	KANSAS Northern and eastern	5	After-					4		Lightning
	tou		d bri	fly in	open				miles west	portions		noon and night	}						
Central and southeast portions	19~ 25				0	0	3	5	Thunderstorms, hail, and flash										of northern and hington County.
por violis	~)								floods	Pratt County	10	2:35 p.				1	3		Wind
	Sou	theast, bu	it occa	sional	ly do	m in	valle	ys, wi	entral and th scattered , some flash	South Central Kansas	17	After- noon							Funnels aloft
	flo	oding, wir	id, and	light	ning o	amag		,,	, boat 1110		Abou	t twelve :	funnel:	were	seen	near anoth	Wichit er was	a, one	was reported in Harper County
ARKANSAS			None	repor	ted						just		Manch	ester,	klah	oma,	and or	e or t	wo were reported
CALIFORNIA Entire State			None	repor	ed					KENTUCKY			None	report	ed				
COLORADO Southeastern Colo.	5	Afternoon			0	2	3		Lightning	LOUISIANA				,		1			
	At 3								ous by lightning	Gulf of Mexico								, Came	Lightning ron Parish, light-
	ning	struck a	tracto	r that	he wa	в оре	rating	on a	nd back when light- farm in the Castle trical equipment	ľ		lied, 1 pa				outp	oard m	tor be	at into water;
		ower line								Union Parish	4 Rock	3:15 p. y Branch C	onesun 1	ty, Far	l mervi		0 while		Lightning ug clothes on metal
CONNECTICUT				repor	1						1		me, 13	-year o	ld gi				lightning.
DELAWARE FLORIDA	, '	No repo	•	repor	1 '	nri	nting	dead	ine :	Southwest Division to East Central Division	1	After- noon			2	0	5	}	Thunderstorms
GEORGIA		по тер			,	, P	l l				CALC	ASIBU PARI	(SH: 1-	2 p., 1	ightr	ing	truck	sever	l Lake Charles s a total loss,
Southeast	9- 12				0	0	7	5	Hurricane Dora .		JEFF caus	RSON DAVI	S PART	SH: Lig pread t	ntnin o par	g st	uck W lop; b	ish a	rport building;
	isla	nds of ex	reme	southea	at Ge	prgia	and g	ale fo	to the coastal		POIN aged	in Maring	ARISH:	Some u	tilit cludi	y lin	es do	ned; s	ome sugar cane dam- int Coupee; hail
	rent	ial rains	fell :	n seve	tal e	puthe	astern	count	Savannah. Tor- les with some estward across		DOME	failure	in St.	Franci	eviil	e are	a: ha	1 repo	lown down and rted to S. ST. ar old girl and
•	nort	h Florida	and e	astnort	heast	ward	across	south	Georgia from the		y-ye	ar old bro	ther w	ere kil	led b	y 11.8	thtnin	while	playing on bed- t nearby before
	area	southeas	t of a	line f	You V	aldos	ta to	Jesup	and most of the nches. Damage			ing child				,			
	was erod	extremely ed, beach	heavy prope:	in the	coas	tal a ed an	rea wh i wash	ere be ed awa	aches were badly y and both public	Gulf of Mexico	6 To s	4:00 p. outh of So	uthwes	t Pass,	Plag	uemin	nes Pa	ish: V	Waterspout aterspout about
	and tree	private b s were blo	pildin own do	gs dama m, man	zed e: r fall	ktens Ling	ively on but	by wir Ldings	d. Hundreds of , automobiles		wate	with eff	ect "s	imilar	to an	ator	ic bo	b', vi	el swept down on th a mushroom shape
	and	telephone	servi	e disr	ptio	n was	almos	t 100	age as electric			ater swep of sight.		o over	1,000	ft.	into	ark cl	ouds; moved W and
	resu	lting flam	sh Llo	ding.	Road	₿, st	reets	and br	heavy rains and idges were washed as suffered water	Plaquemine Parish	16 10 S	4:00 p. E Port Sul	bhur.	Vatarion	Dut "	fohte	d.		Waterspout
	dama	ge. Cave	ins c	sused e	xtens:	ive d	amage	to bui	ldings and atively light.	Caddo Parish	16	3:30 p.	Jun :	eccr sp	0	O TRUCE	5	0	Thunderstorm
	The	quality of iderable :	some	cotton	and m	peanu aking	ts was	reduc	ed and there was	,,	5 S	hreveport	Open light	-topped ning an	stor d oil	age set	ank, afire	ontair	ing 98,000 barrels n draining tank
	Parn inju	and past ries were	are las	nd was outed d	100d	ed in ly to	many Dora	areas. in Geo	No deaths or		abou tive	t 4:00 p., ly small b	at ra	te of 7 katcom	000 plete	barre los:	ls pe	hour;	oil loss compara-
HAWAII			None	repor	ted		Ì	Ì		Orleans Parish	17	3: 15 p			Ì		}		Waterspout
IDAHO			None	repor	ted					Calcasieu Parish	0ъse: 19	3:18 b, rved 5 5 o 3:30 p		Dr leans	West	her I	ureau	Office	Funnel cloud aloft
ILLINOIS		See dat	aat	end of	tab	le				Carcasten ration	}	4:15 p.		3:30 -		32 n	Sher	tff'-	runnes cloud alost Department reported
INDIANA			None	repor	ted						funt		naved (	oward 1					4:15 p., radar
IOWA W edge of Sibley	2	10:00 p					4	1	Windstorm	Plaquemines Parish	26	1:00 p.						}	Waterspout
6SW Battle Creek (Ida County)	3	11:00 a					3		Tornado		Pilo	t reported	water	apout 4	1 SSW	Alvi	h Call	ender i	field.
		<b>.</b>	1	1	1	1	4	4	Windstorm	1									
Ida Grove area		Noon ds guste	d to	70 mpl	h. p1	us v													

	]	I		NO.	OF	ESTIM	ATED1				,i	Ŧ		NO.	OF	ESTIM	TED!	
	) CAI	PATH	Ę	PER			AGE			ı	CAI	РАТН	Ē	PERS		DAM		
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
LOUISIANA (Cont'd				<u> </u>					MINNESOTA (Cont'd									
	27 6:00 p. 28 6:00 a.			0	1	4	0.	Thunderstorm, heavy rain	Hackensack INW, Cass County	9	8:15P	\ \ \ \ \ \	200	0	0	3	0	Tornado
	Severe electi Pontchatoula,	Spring	field a	ompar rea.	ied b	y hea s of	y rai area f	n in Albany, Tickfaw, looded; some fam-		den	olishing	one ca	in and	dama	ging	anothe	r. Úp	near Hackensack, rooted trees,
								water, several	!									ne lines. Two moved from SW to
1	and knocked o	ope man	to floo	or. I	orst	pert	of ato	m and most rain area until 6:00			This to t fell on					conti	nustio	n of the tornado
l l	a., 28th; to miles S of P	taled 1	2.77 in	dhes 3	NW P	lannon	d. Re	sidents several	Dalton, Otter Tail	13	6:45P	0	0	0	0	0	0	Funnel cloud ale
MAINE		1	repor			apri	1	i l	County	ł	nel cloud	obser	1		ì		ind.	
MARYLAND		i	repor						Moorhead, Clay		12:30P	?	7	0	0	4	3	Hail, wind
MASSACHUSETTS		None	repor	100					County			3/4 1	nches i		[	[		eds of windows,
Nantucket Island	14		1	0	٥	2	0	Tropical Storm		dan	aged cars	roof	s, powe	lin	es ar	d some	late	crops. Wind , North Dakota.
	Tropical sto	rm Dora	(reduc	ed fr	on pr	vious	hurri	came status), es southeast of	Duluth, St. Louis	26	4:25A	?	?	0	,	4	0	Hail
ļ	Nantucket at station was	about	1 P.M.,	E.S.	r. F	astest	mile	of wind at that	County	1		1		j -		1	1	th at 4:25A,
	highest obse	rved gu	st WAS	\$0 p.	o.h.	from t	he nor	th at 2:20 p.m. al rainfall was		4:	8A and ag	ain ne	4:55		l I		, Duit	Lii ac 4.25.,
	2.53 inches.	The s	torn ca	used '	very	little	damas	e on the Island tree damage. No	Waskish IS, Beltrami County	26	5:45A	2	100	0	0	3	0	Tornado
	damage was e	xperien	ced on	the n	inla	nd.	, some	i co dazage. No	County									ooting and
Nantucket Island	23	1	Ì.,	0	0	2	0	Hurricane Gladys			est range			ars	re	biteu	at nea	rby Waskish
	to the south	east of	Nantuc	ket.	The	only e	fect	bout 150 miles of the storm	Crookston, Polk	.26	11:00A			1	-1	4	0	Wind
	was some bea experienced				grro	n neav	ny suri	. No damage was	County	Gu	ty wind t	φ 40 π	ph topp	ed t	hird	story	fire-g	utted wall on to
MICHIGAN						_		Thunderstorms	:	Ca	s flatten	ed. A	one pe djacent	bus i	and :	hjurir establ	g anot ishmer	ner. Two other ts damaged by
central, southwest- ern, and northwest-	3 6:00 E				ļ	5		with lightning,		fa	ling debr	s.						
ern Lower Michigan						5-3		high winds and heavy rains	MISSISSIPPI Jackson County	ı	òm.		ļ	0	1			Lightning
	with resul	tant o	mated damage	to i	mpn	ings	and	merous trees ars. Streets wind felled		He le	ha: Girl ining bol	11, to	lking of	n tel	epho t fi	te to	fered ouse.	minor shock whe
									Choctaw County,	27	Night			0	. 0	2		Lightning
	wind damag	e. Lie th wind	ghtnin ds and	g ind	tnin	g se	es da vered	maged several power lines ngs. Damage was	Ackerman		ė, stendi	ng und	er tree	k111	led b	y ligh	tning.	
	reported of	lue to	ce to heavy	rai	eas s fl	or n	ng ro	ads, streets and	Delta area	27- 29	pm- am		1.	0	0	3	4.	Heavy rain
	basements	j	1		<u> </u>	_	,			jup t	o four in	ches m	easured	in B	opoe p	arts.	COAHO	official reports NA COUNTY: Floor
Lake City	3 8:04 p	stroy	ed lar	de m	dern	cou	nty h	Tornado ighway garage		Clas	ksdale.	SUNFLO	WER and	WASH:	NCTO	N COUN	TY age	eighborhoods of ts said cotton :
	the build:	ing we	rie dam	aged.	. Tot	al d	a <u>mage</u>	0 trucks inside estimated at	1	fiel	d may dro	p one	grade b	ecause	of	water	damage	and shorten sta
	nimety thou	usand way s	dollar tated	s. R	he h	nt, eard	wno w	as a city block rrible roaring	MISSOURI									
	noise bef	ore th	e gara	ge w	as hi	t.	1		Mound City, Holt	12	2:30 pm				ł			Funnel Aloft
MINNESOTA						١.		n	County	-	£ ; 50 più							1 441101 141010
Duluth, St. Louis County	7 Mornin	•		0	0	5	0	Heavy rain	Washington (5 N) Franklin County	18	lı:20 pm							Funnel Aloft
	hidting Du	luth mo	st seve	rely.	A to	tal o	f 2,28	oss the state inches of rain	1	22							14	Thunderstorm
	before. 0	vet 60	flooded	baser	nents:	one	elemer	our the evening tary school	Memphis-Wayaconda   Scotland-Clark   Counties	ŀ	evening	en orte	d	lers?	for-			large livestock
	upsubmerg	ing str	eets un	der a	Foot	to th	riee fe	wer system backed et of water.	Counties		n at the S							In ge 2110000CK
	Storm clea	nup cos	1	lower	leve	road			Brookfield, Linn County	22	10:30 pm	1				14		Thunderstorm
Middle River 5ESE, Marshall County	9 4:20P	4	225	10	10	4	2	Tornado	duncy	Dam	age to thr	ree hon	es, and	to t	rees	and p	wer li	nes.
	several bu	ildings	destro	yed w				trees uprooted, s thrown about.	Pattonsburg, Daviess County	22	5:30 pm			'	-	4		Tornado
	Storm move	- 1	1	1.														ches of rain fell sons sighted the
Hitterdal-Lake Park, Clay-Becker Counties	9 5:30P	13		0	1	4	3	Tornado		tor	nado cloud uck Pattor	i, and	the fir	e sig	πalι	725 SOL	inded j	ust before it
•	Tornado fu SE Funne	nnèl fi l couch	rst hes led down	ird an	djobs pen f	erved ield o	over l	Hitterdal moving to mimor crop damage. The Park moving	Daviess-Grundy	i i	5:50 pm	b L	100	Ruc	TIT!	es ver	, in courts,	Tornado
	east about	5;50P	with la	ıst to	uchdo	wtr 8 ⊓	milles I	it of Lake Park at	County	1	1	1	1		<u></u>	1	W 05 7	amesport. Funne
	6:00P. Fo	ur farm several	asteads Loutbui	damag lding	ed. '	Three tacke	barns d bale	destroyed, two of hay pulled inside farm home.		Was	observed	desce	nding by	nelg	#bor	s to t	he wes	t, A metal grai
	1 1		1	ł	1	ling o	ł	1		bac	k to the	south.	As th	sto	n pa	ssed e	ast, t	thward, then blo he farm family o i dip to earth
Bluffton 3N-Wadena 7N Upper Gull Lake,		22	1	0	0	4	0	Tornado		thr	eje times.	A ch	urch ya:	d and	ia v	acant.	farm i	n extreme wester
Otter Tail-Wadena- Cass Counties	strip of b	itumino	ous high	way.	Funn	el co	ntinue	up a 15 x 30 ft. d eastward, dipped		Thi	s storm p	ath is	on a 1	irle wh	nich '	would:	pass ti	toward the east. brough Pattonsbur
	to ground destroying	7 miles a gara	porth	of Wa icken	dena house	st 7:	20P hi nary,	tting one farm, silo, small barn		Mpfe	re wind d	unage i	usa occi	ured	a Ie	w minu	ues ea:	1100.
	and well h	ouse. 8:17P	Apparer where	sever	o fur	ther :	touch- and a	down until Upper resort hit.	MONTANA				1					
	Severel bo	ets and	1 bontoc	on boa	ts da	maged	. Len	gth of path here ebris laid from	Big Timber (20 miles North) Sweetgrass	22	Unknown	?	3	0	1	0	0	High Wind
M( ) (N . v. )	southwest	tonor		1	1		- [		County	A :	o-foot ho	use tr	a ler w	as ove	eftur	ned by The dr	gust iver w	winds. The as hospitalized,
	9 7:40P	1 7	1	0	0	4	0	Tornado	11	bu	he was n	o ser	iously	in jur	ed.	[ ]	[ "	,
Nimrod 4N, Wadena County	1				1	)	1.		]]	•	•						,	
	damage, tw	o other	: þuíldi	ings d	anage	d, 10	acres	or end with no of corn leveled 4 nearby farm sites.		•	•		•				,	

				-												,		SEPTEMBER 196
	GE	PATH	¥		OF SONS		ATED¹ AGE				CAL	РАТН	¥		. OF SONS		ATED!	
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEBRASKA Northeast Thayer Co.	1 2:00 a. Severe damage Bruning area	to cor	2* n and m	0 110 i	0 In the	O Carle	ton-	Hail and high winds	NORTH CAROLINA (Carteret County	13	7 am	<b>**</b> 100	10	0 Newp	o	4 moving	,	Tornado
Near Arcadia	strong winds. 2 6:00 p. Barn, crib, a	Short	Narrow	0	0	li Li		Damaging Winds	Coast	21- 23	ed two hou	se tra	ilers,	demo	lishe 0	d one	outbui:	ding, unroofed one
Northern Jefferson, Southern Saline, and Northern Gage Counties	5:30 p.		2*	0	0	4-		Hail		goin days	g over dur . A few b	es flo uildin	oded hi gs dama	ghvaj ged 1	; re	gained ter en	in low	, but wind-driven coastline. Water places several ground floor. Much
	Several strip Daykin eastwa 1" diameter, 1 22 1:00 p.	ri to A put ran	dams. ged up	Stone to 1	s mos	tly 3/	u" to	Damaging Winds	NORTH DAKOTA	this 3 mi	e winch he	d abov	e as "c ton. I	rop o	lamag str	e". B	anks ne l dama	zation washed away arly cut through se.
	Power lines blof buildings.	Lown do	report	age t		fs and			OHIO			None	report					
NEW HAMPSHIRE Statewide	27 Widespread, n	nostly	ninor w	o ind d	0 amage	4 repor	o ted in	Wind many parts of Power knocked	Ada, Pontotoc County	Ligh ladj								Electrical and screen. A and was deafened
NEW JERSEY	out by falling	g tree	repor	anch	es.	Many s	igns b	lown down.	Hartshorne, Near, Pittsburg County	4 A ra	4:30p. incher was le in his	kille pastu	i insta re norti	1 htly	0 by 1:	0 Ightnir	0 g whil	Electrical e rounding up
NEW MEXICO South-central area	11 Evening Heavy rains of damaged Dona	aused i	flash fl	0 codir ton	0 ng of rop.	ц аггоус		Heavy rain streets, and	Marshall County		10:00p., 15th- 5:00p., 16th			0	0	0	0	Rain
Malaga, Eddy County	lk Afternoo	d 600 a	cres of	cott	O a	O nd hear		Hail maged hoo			y rains o ) inches a	ver th	south			l	l i	oma totaled up to
Roswell area, Chaves	21 5:45 p.m	Short	50 th Roswe	0 11 mc	0 ved	ast-n	5 orthea	Tornado, rain, hail, wind st and damaged	McCurtain County	17	Overnight, 16th - 7:00a., 17th			0	0	0	0	Rain
	overturned co	S inch	diamet	Ra: er d	n to	unoff 0000	cial lamage	to cotton and a northwest of		of 3 repo	y rains of to 4 inc rted 4.09 reported.	ver the nes over inches	south r the s	east south	corne ern h ran h	r of t alf of eavily	he Sta the C , but	te provided totals cunty. Broken Bow no flash flooding
Albuquerque area, Bernalillo and Sandoval Counties		linch ts of t	orth Al	bug u	rque	and n	d thu orthwa	d in Rio Grande	Wakita, Near, Grant County	A fu								Funnel aloft  [ Wakita by a pilot  poved east-northeast
Roswell area, Chaves	valley. Dama but up to 50%	ge to I	ernali] In some	lo Co Sando	ounty oval (	apple County ?	orcha	rds negligible; ds. Hail	Southeast third of State	20- 21	8:00a., 20th -	thout	touchir	ig th	gro 0	und.	0	Rain
	Hail, 1-1/2 i northeast to and to some r	Recos F	meter, iver.	just Damag	souti e to	-souti over	east ,000	of Roswell moved acres of crops		Heav	7:00a., 21st y showers nts of 3.	and to	undersi	ower arlo	s acr	oss ar ephens	ва pro Count	rided heavier
East Central	9 a.m.	erstor	s brow	ht 1	ghtn	lı ing da	mage t	Electrical s scattered local	Muskogee County	and 22	y, Atoka 3.86 inche 7:00a 11:00a.	ounty,	3.97	nche , Le	s at More 0	McAles Count 0	۸۰ ا	7, 3.53 inches at ittsburg County,
	areas in the dairy barn wi	th cont in, Ful	Mohawi tents of ton Con	and hay nty.	uppe and Bol	r Huds Farm to t kill	on Riv cols d	er Valleys. Large estroyed by fire cows huddled under		Very at N	heavy the			rep	orted			up to 4.35 inches
NORTH CAROLINA	10 7:25 am	il			٥	2		Waterspout	Mesker, Lincoln County	A ho	as struck	by li	htning	'		was de	stroye	by fire after
	Atlantic Ocea period when H Damage was sl	a acros	s the t	own o was c ew s:	f Car enter gns	olina ed ov	Beach er nor lown.	thern Florida.	Chandler, Lincoln County	east	all tornad	across	two f	ırms	Lmil	e west	of Ch	Tornado  along a south- indler. Roofs of at roof-top
Wilson County  Brunswick County	11 aftn Lightning str 12 9 pm		injure narrow		struc 0	0 tion	orker	Electrical near Black Creek. Waterspout	Atoka, Pittsburg, and	leve	1, a steel stripped 7:00a	. bin 🏻	ifted	over 0	7-f 0	oot fe	nce, a	d several trees
-	Small storm a across Long B beach cottage several trees miles west, pr	parent ach at turn and si obably	ly move night; d upsid gns blo seme s	d nor nois e dou wn do	thwese like n; two	e a je o outl Damage	off the tair of tair of the tair of the tair of ta	ne Atlantic Ocean craft heard. Two	Pushmataha Counties OREGON	inch	es of rain ton, Push	fall a zataha	t Daisy	, At	nty b oka C	order ounty,	area to and 4	staled up to 3.86 71 inches at
Coast	from trees and 13 Storm moved up	signs North	blown Caroli	down.	o astli	4. ne whi	4 le son	Hurricane Dora	PACIFIC AREA PENNSYLVANIA PUERTO RICO		ļ	None	report report	ed ed				
	and blow off a northern coast beach highway damage to seve	few s , caus for 48	hingles ing flo hours ach str	. Ver oding and da ucture	ry he whice aused	avy ra h bloc sligh Winds	ins for ked po t grou were r	beach erosion all along the ortions of the mud-floor water not generally of al damage at one damage to corn.	RHODE ISLAND		ì	- 1	report	- 1			1	

		1	Γ	ι —					<del></del>		_								SEPTEMBER 1964
		CAL	PATH	Ę		OF SONS	ESTIM. DAM					CAL	¥	   #	NO. PERS		ESTIM. DAM	ATED†	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	מורנים	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
SOUTH CAROLINA South Carolina	12-	11:00 pm of 12th to			0	0	4	4	Tropical Storm Dora	TEXAS (Cont'd.) Dimmitt Co.	hon	e occupie ed 75 fee	lies d by l	person	as wa Ali	s car nost	ried o all do	ff its wntown	nerton. One foundation and Asherton resi- to eight inches
	Save some Mari dams stat 24-1 a 21 Dors	nnah about 25 miles on and Dil ge was rel e ranged i our rain of hour fall are giver 1:05 pm	thiand lion Co lative. From the of 8.25 l of 5.	a. on in the second of the sec	she in the but but byer and les.	th, r left e lat reins eight Loris Torns	the st e fore in th inche , also dic ev	ate by noon e eas s. C: in H	Carolina near to the coast way of Horry, if the 13th. Wind tern part of the nway reported a nry County, had ssociated with  Water spouts st of Myrtle Beach	Killeen Bell Co.	dee tre ros \$1 was on 16 Tor ros inc	p in most ated at a ds, homes million. hed away. the 15th 4:00 p- 11:00 p rential t ring out hes fell	of the hospi and About A widestro	homes tal for ields: 1,000; ndstorm ying a l storm ri banks,	and laminos In Directors structors angar  O ains flood	ousir cut mitt of r ck Ca at Ki ding	esses. s and Count ewly p rrizo the ai  S S S S S S S S S S S S S S S S S S	Two bruise y was lanted pring rport. ? sent N s and .M. R	persons were  s. Damage to estimated at carrots were s about 9:00 P.M.
Myrtle Beach, Horry County	12 Funr	ciated wit 2:00 pm	h stor	n Dora.	0		4	0	Tornado		tot wit who	ally dama h minor d were eva al proper	ged; f amage. cuated ty dam	our training 102 for and the age was	ller i umili ose wi estii	lomes es we lose nated	with re aff traile at \$1	major ected, r home 10,000	damage and 47 including those s were moved. Between 50
South Carolina Coast	21 Hurr	All day	lys pas of dame	sed nor	0 th-no fects	0 rthea for	0 stward South	0 a cor Carol:	Hurricane Gladys siderable distance na.		Som dit	e homes in ches over:	d other	parts Colle	of the	e ci rest	y wer	flood 4th,	ailer parks and Wolan Creek. ded when drainage Avenue J, and the flood waters.
South Carolina Mid- lands and Coastel Plains	Oct. 1st Heav the	coastal pl	Lains.	There	was h	eavy	local	flood	Rain Storm  na midlands and ng, especially in	6 SW Ben Bolt Jim Wells Co.	Ben	Bolt. C	do strate the newly	urton I	an ar unn r rm ho	anch	the :	coof a	Tornado es southwest of nd porch were of metal fence
SOUTH DAKOTA	9 Wal	9:00 p	8	*4	0	0		5	dams burst.  Hail and Wind tensive damage	Middle Rio Grande Valley, Southwest Texas	Gro	hde in ha	th Toy	e and I	derind	weg	local	lv ver	Heavy rains, flooding, wind yer the Rio y heavy for about p to 15 inches
TENNESSEE TEXAS			None	repor	ted						res of abo	ult was f porder to ut 200 re ek. The	lash r wns an sident	ses on cities were n	almos alor outeo elipe	t al g th fro	area e Rio n thei ek was	stream rande home due t	up to 15 inches th hours. The is and flooding At Del Rio s along San Felipe b locally heavy om the Rio Grande.
12 S Temple Bell Co. S Brownsville Cameron Co.		6:28 p 10:20 a		Į.					Funnel aloft Funnel aloft		ACI	oss the R	io Gra	nde at (	uidaq	Acu	ne on	the Me	kico side, an
S Galveston Galveston Co.	14	9:21 a							Two waterspouts		In wer	e 20 to 3 Piedras N e flooded tricted t	egras, Flo shan	were across d damag	the i	ted iver Lare te ri	in Me do was wer ba	0 fami cico, relat nk and	Pass, the Rio Pass, the Rio al of seven days. lies evacuated. about 100 homes ively minor and the low-level
10 ESE Alice Jim Wells Co.  40 SW Palacios Calhoun Co.	ļ	12:30 p		(					Funnel aloft Funnel aloft		mir	p house t	Harrer	s, unro	oring	str	he Del ce the read d ctures	Rio-E recor amage, north	tomobiles were agle Pass-Laredo i flood of 1954. overturning of the city, and
25 S Nederland Jefferson Co.		1:38 p		É					Funnel cloud and waterspout	Collin, Dallas, and Tarrant Counties	21- 23	poting tr	ees al	over	tne ci	0	6	?	Torrential rain, flooding ring the first
Sheridan Colorado Co.	Li.	5:00 p ghtning st garden n 6:30 a-	ruck a ear hi	nd kill s home.	ed a	0 42-ye	er old	man a	Lightning s he worked in Waterspout		Tar flo	nt hours rant Coun oding of streams	of the ty eas tribut in the	21st interest of area re	n a baver De the sulte	nd e llas Trir d ir	and C ity Ri two d	ng fro ollin ver an eaths	n northeastern counties. Flash d smaller creeks by drowning and
Matagorda Co. 20 NE Corpus Christi San Patricio Co.		6:50 a 8:10 a			1				Waterspout		Moh was in	inney bet severe t all secti	ween 1 hrough ons of	ut Col	and lin Co	7:00 unty lany	A.M. Flo street	on the eding s were	inches fell at 21st. Damage of homes occurred washed out, mount of damage
El Paso El Paso Co.	on hi we mu of Ge. Me to at son an	oding froe-half milt areas in re flooded dand rock the worst natural to the control of the contr	lion d dluded early that flood of Cou Mathi t of w ar Par drd Aven	ollars El Pas in the poured ed resi rt and s Drive ster in brive emue, a	in properties of the propertie	opert ve, wm. M from al ar om La ved a mes a metic the	y dama here r esa St the Fr eas wa ne. T s a ch nd yar Inters	ge in esider reet w anklir s nort imber annel ds. F Marr ection	Heavy rain, flooding aused an estimated El Paso. Hard pes and businesses as covered with Mountains. One heast of Chelmont olf Drive, from thich carried two avement caved in Street, just of Kansas Street verel streets in		was bri flo ros nor dor Rai  60 of Wes Wor Big bus sig	sustaine diges were odwaters dway just the of Fla ntown Pla washed a homes were the Trinit College the area to Fossil a inesses a mificant ottles. It	d to to washe of Row north no, an no to ge cro way. e evacty wather wall long W damage ozens	de count daway of lett Greenst of d the hi collaps; ssing Ri lo.47 in uated. ershed, ace Road as const the Rook hite Rook to road of expension	r dansek af Planseavy (e and wlettinches Hardeinelid, and iderations of the creek ck Creek ck Creek ck Creek	d synaged ter lowny dame fell st hiding l Carsel st hiding l Carsel st home	stem. One his ca freig our ca ge fur ek bet withi it are Trini roll. amage There nd Elm dges i s in N	An es man w r was ht tra used s niture ween W h 2h h as wer ty Mil In the to res was al Fork. h Call orth D	timated 200 ss drowned in the washed off the in was derailed mme roofs in . The Santa Pe roofs in the lowlands sin the lowlands sin, hatton Branch, be Dallas-Fort dences along so damage to There was ss and Tarrant allas were heavi-
Pecos Reeves Co.	Hi pe we ov da So st po 15-	rsons when re hospita er, but th mage in th me hail ds ruck one h rted on th night rrential r	la hou lized. cocu e city mage w cuse, e east	se trai The t pants r includ as also setting side o	ler oraile eceived trepo it of Pec	r hour hour hour hour hour hour hour hou	med i se nex Ly min signs, on are e. Fl	n the t door or bro and s a crop ash fl	Wind, hail, rain, lightning and injured two windstorm. Both was also blown ises. Other wind spee roof damage. So. Lightning boding was re- Torrential rains, flooding, wind Dimmitt County		Hill whe for Clu Ross strains sec Cre hor wat the the local reservations and the control reservations are second reservations.	damaged. lcrest, A lcrest, A re paveme and drowne b golf co d in the eet by th tion of R ek over i es. At t er was ha 21st. I t runs th feet wide ar Richlan	Some Ipha R mt was d in t wrse. 6500 be floor ichlands benthe so-If-way mr Hurs rough e. Wa d Hill	of the load and washed he back His carlock and water. d Hills ks, for called to the load to the load and water was a. Aer	Valle away seat had carr In the cing Apple roof eavy ter of report	st s y Vi in h of h appa ied the r torr sever resi line rair the	reet w nea lige ch is car rently some l orthea ential al fam dence short s sent town, in som damage	damage whit inks. on No been 00 yars for rains ilies on Kin Ly aft Lorea over e home was m	came on e Rock Creek, One man was repet off Alpha is south of the tworth suburban sent Big Fossil to filee their gabury Court, er 9:00 A.M. on heranch, a creek its banks about in Hirst Hills, sin! was about the sin! Hirst Hills, sin! was about the sin! Hirst Hills, sin! was about the sin! Hirst Hills, was about the sin! was about the sin! was about the sin! Hills, was about the sin! Hill
	fr Ca	om their h tarina are s reported	unofi	Heavie 66 inch	st do	vnpov ell at half	rs fel Catar mile s	l in tina, s	d some residents he Asherton- hile 11 inches of the city.		Ea: rej	t Fork of	the I	inity, 50 hea	where	e one	levee	broke	One rancher ed in the flood-

		CAL	PATH	Ē		OF SONS		ATED <sup>†</sup>				CAL	РАТН	¥		OF SONS		ATED† IAGE	!
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
TEXAS (Cont'd.) Lake Worth Tarrant Co.	21	10:56 a	short	narrow	0	0	0	0	Tornado and	WISCONSIN Richland County	3	3:15 - 3:45 PM	15	850	0	4	5	4	Tornado
• •	apo Car	dswell Air	Force moved	Base at	For t ou	t Wor	th. I	t then	he main runway at formed a water- There were no		ac	rst touche ross towns uchdown ne	hips o	f Richm	ond,	ys 60 Eagl	and (	rion	F, skipped ith last
Haltom City Tarrant Co.	1	morning		, oper o					Funnel aloft	Dodge County		5:00 PM ached down	in co	rnfield	7 mi	les :			Tornado Hartford.
WNW Ellington AFB Harris Co.	21	1:11 p						i	Funnel aloft	Milwaukee	Cr	5:20 PM	1/8 ermain	100 Airfiel			5	0	Tornado
Near Rochelle McCullough Co.	22	3:15 p							Funnel aloft	Central and Eastern Counties	Ha.	afternoon	by win	d and r	o ain w	o as th	e area	l east	Squall line of a line drawn
15 S Abilene Taylor Co.	23	11:15 a							Funnel aloft	WYONING	11	m Green B		nagison report		ake !	nchige	n.	
E Brownsville Cameron Co.	25`	9:01 a							Funnel aloft	ILLINOIS							,		
SW Hale Co.		6:40 p- 7:15 p	5	7	0	0	?	?	Tornado	Knox County	A se								Wind, rain y heavy rain
	Cer Her ser	nter in so nderson re nved about	thwes sidenc five	t Hale ( e, then hiles no	ount veer	d to of Co	t move the n tton C	d east orthea enter	est of Cotton ward toward the st. It was ob- at 7:00 P.M. ted damage.		wind of (	damage	to to	o bui sser	ldin dama	gs d ge w	ccurr as sp	ed or aced	esburg. Majo e mile south at two mile heast.
Ng SMuleshoe Bailey Co.	Sma Mul ent	eshoe. H	eavies cred th	damage ie grour	was d, a	to 1	ate co a dep	ton. th of	Hailstorm miles south of In places, hail two inches.	C Crop damage.  * Miles instead  ** Yards instead  † Storm damages  1 Less than	of are	miles.	in cat	tegori	es V	aryi	ng fr	om 1	to 9 as follow
Wolforth . Lubbock Co.		evening	es wer	3/4 11	icu 71	dia	meter.		Funnel aloft	2 \$50 to \$50 3 \$500 to \$5 4 \$5,000 to 5 \$50,000 to	0 ,000 \$50.	000							
Boerne Kendall Co.	27 Hea	4:00 a wy rains derick, a	of fiv	e inche: ger Cree	l s or :	more Bused	.5 on the	0 water ibolo	Flooding sheds of Cibolo, to flood in the	6 \$500,000 t 7 \$5,000,000 8 \$50,000,00 9 \$500,000,0	o \$5 to 0 to	,000,000 \$50,000,0 \$500,000	,000	000.					
	Boe fro fel A.N wat hom tel Hig was	rne area im U. S. H Il within V. Unoffi ersheds. es floode lephone li hway 87 w hed away.	to the ighway 24 hou cial a One m d, and nes, a as cov	highest 87 to 1 rs, most nounts to an was of consider and fence ared by terinary s demol:	leveripe of to to trable of the clinished	el in Creek which lh i ed, s e dam The C flood nic w and	histo At fell nches ix bus age do ibolo waters as com others	ry. H Boerne betwee were r inesse ne to Creek and b pletel were	eaviest damage was, 1.407 inches n 2:00 and 1:00 eported in the s flooded, 53 automobiles, roads, bridge on U. S. ridge railings y underwater, swept from their	Mote: This publi due to the diffic it is not all-inc ried in the June SUBSCRIPTION PRIC domestic, \$2.00 f able to the Super ence regarding su Documents, Govern	ulti lusi and E: orei inte bscr	es inhere ve. Del: December 15 cents gn. Chec ndent of iptions:	per of Documents	ata a ses of copy; and mon- ments.	ectiond controls this year ey or Recent	on o orre- pub ly s rder: mitt to "	f thi ction licat ubscr s sho ance Super	s typs will ion. iptiould build cinten	e of data, l be car- ns \$1.50 e made pay- orrespend- dent of
UT AH VERMONT			None	report	eg.					200-00-00, 00,00-									C. 10/30/64-1
Statewide	stat 58 m nume On I fall wrec	e. In the property of the contract of the cont	Burl: trece: were lain founce: vehicle	ngton a ved. A downed rry boa off th on U.	rea, lso : and : its bi e ro S. 7	unof in the many icked of of a m	ficial Burl power waves a mov	repor ington lines and s ing au	Wind roughout the te of gusts to area, trees and were knocked out pray. A large tomobile, nearly Shelburne										
U.S. VIRGIN IS. VIRGINIA			None	report	ed														
ampton Roads Area, outheastern Counties	12-13 Storn	Dora rem	ained	rell out	0 to	0 Sea a	5 vay fr	0 om the	Tropical Storm Dora Virginia mainland										
	flood heavy at Yo water etc.,	ing result rains r	ted froging I Suffo mouth on down	m high rom 3 lk. Fo and Oce from 8	tide o 4 rty ana. usty	in t Inches Eamilt Nume winds	he Ha caus les we rous in e	mpton ed som re eva trees, kcess	tal area. Moderate Roads Area and e minor flooding cuated due to high limbs, awnings, of 60 MPH through- nd near Cape Henry.										
ampton Roads Area	200 duri	miles from ng high t extensive	the r	ainland low ly	ing :	me m	derat	its d e floo i dama	Hurricane Gladys istance of over ling occurred se was minor i from flying						-				
WASHINGTON		No repor	t rec	eived	bур	rint	ing d	eadl i	ne										